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Clean Version of Pending Claims

**APPARATUS FOR SHIELDING TRANSMISSION LINE EFFECTS ON A PRINTED
CIRCUIT BOARD**

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1. (Amended) A printed circuit board (PCB) comprising:
 - a dielectric board member; and
 - a first signal line supported on said dielectric board member, said first signal line including an elongated electrically conductive member that is enshrouded with a carbon-based cladding over at least a portion of the elongated conductive member.
 2. (Amended) The PCB of claim 1, further comprising:
 - a second signal line supported on said dielectric board member, said second signal line including a second elongated conductive member that is enshrouded with a carbon-based cladding over at least a portion of its length, said second signal line being adjacent to said first signal line.
 3. The PCB of claim 2, wherein:
 - said carbon-based cladding of said second signal line is continuous with said carbon-based cladding of said first signal line.
 4. The PCB of claim 2, wherein:
 - said carbon-based cladding of said second signal line is discontinuous with said carbon-based cladding of said first signal line.
 5. (Amended) The PCB of claim 1, further comprising:
 - a second dielectric board member disposed above said dielectric board member and said first signal line.

6. The PCB of claim 1, wherein:

said elongated conductive member is fully covered over top, bottom and side portions thereof with said carbon-based cladding for said at least a portion of its length.

7. The PCB of claim 1, wherein:

said elongated conductive member is covered with said carbon-based cladding over greater than 90% of an outer surface thereof.

8. The PCB of claim 1, wherein:

said carbon based cladding has a dielectric constant that is greater than a dielectric constant associated with said dielectric board member.